

Recombinant Human HSF1 protein ab78795

画像数 2

製品の詳細

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|-------------|--|--|--|
| 製品名 | Recombinant Human HSF1 protein | | |
| 精製度 | > 75 % SDS-PAGE. | | |
| | Purified by using conventional chromatography techniques | | |
| 発現系 | Escherichia coli | | |
| タンパク質長 | Full length protein | | |
| Animal free | No | | |
| 由来 | Recombinant | | |
| 生物種 | Human | | |
| 配列 | MGSSHHHHHH SSGLVPRGSH MDLPVGPGAA GPSNVPAFLT KLWTLVSDPD TDALICWSPS GNSFHVFDQG QFAKEVLPKY FKHNNMASFV RQLNMYGFRK VVHIEQGGLV KPERDDTEFQ HPCFLRGQEQ LLENIKRKVT SVSTLKSEDI KIRQDSVTKL LTDVQLMKGK QECMDSKLLA MKHENEALWR EVASLRQKHA QQQKVVNKLI QFLISLVQSN RILGVKRKIP LMLNDSGSAH SMPKYSRQFS LEHVHGSGPY SAPSPAYSSS SLYAPDAVAS SGPIISDITE LAPASPMASP GGSIDERPLS SSPLVRVKEE PPSPQSPRV EEASPGRPSS VDTLLSPTAL IDSILRESEP APASVTALTD ARGHTDTEGR PPSPPTSTP EKCLSVACLD KNELSDHLDA MDSNLDNLQT MLSSHGFSVD TSALLDLFSP SVTVPDMSLP DLDSSLASIQ ELLSPQEPPR PPEAENSSPD SGKQLVHYTA QPLFLLDPGS VDTGSNDLPV LFELGEGSYF SEGDGFAEDP TISLLTGSEP PKAKDPTVS | | |

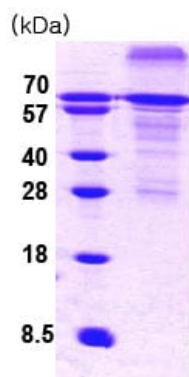
特性

Our **Abpromise guarantee** covers the use of **ab78795** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

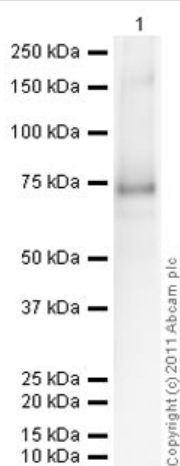
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|----------|--------------|
| アプリケーション | SDS-PAGE |
| | Western blot |

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| 製品の状態 | Liquid |
| 前処理および保存 | |
| 保存方法および安定性 | <p>Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.</p> <p>pH: 8.00</p> <p>Constituents: 0.0154% DTT, 0.242% Tris, 0.29% Sodium chloride</p> |
| 関連情報 | |
| 機能 | DNA-binding protein that specifically binds heat shock promoter elements (HSE) and activates transcription. In higher eukaryotes, HSF is unable to bind to the HSE unless the cells are heat shocked. |
| 配列類似性 | Belongs to the HSF family. |
| ドメイン | the 9aaTAD motif is a transactivation domain present in a large number of yeast and animal transcription factors. |
| 翻訳後修飾 | <p>Phosphorylated on multiple serine residues, a subset of which are involved in stress-related regulation of transcription activation. Constitutive phosphorylation represses transcriptional activity at normal temperatures. Levels increase on specific residues heat-shock and enhance HSF1 transactivation activity. Phosphorylation on Ser-307 derepresses activation on heat-stress and in combination with Ser-303 phosphorylation appears to be involved in recovery after heat-stress. Phosphorylated on Ser-230 by CAMK2, in vitro. Cadmium also enhances phosphorylation at this site. Phosphorylation on Ser-303 is a prerequisite for HSF1 sumoylation. Phosphorylation on Ser-121 inhibits transactivation and promotes HSP90 binding. Phosphorylation on Thr-142 also mediates transcriptional activity induced by heat. Phosphorylation on Ser-326 plays an important role in heat activation of HSF1 transcriptional activity.</p> <p>Sumoylated with SUMO1 and SUMO2 on heat-shock. Heat-inducible sumoylation occurs after 15 min of heat-shock, after which levels decrease and at 4 hours, levels return to control levels. Sumoylation has no effect on HSE binding nor on transcriptional activity. Phosphorylation on Ser-303 is a prerequisite for sumoylation.</p> |
| 細胞内局在 | Cytoplasm. Nucleus. Cytoplasmic during normal growth. On activation, translocates to nuclear stress granules. Colocalizes with SUMO1 in nuclear stress granules. |
| 画像 | |



15% SDS-PAGE showing ab78795 at approximately 59kDa (3µg).

SDS-PAGE - Recombinant Human HSF1 protein
(ab78795)



Western blot - Recombinant Human HSF1 protein
(ab78795)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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